

Peak District National Park

Forecast valid from 06:00 on Saturday 09 Dec 2023 until 23:59 on Sunday 10 Dec 2023
Forecast Issued on Saturday 09 Dec 2023 at 03:09

Confidence: High confidence for a wet and breezy Saturday. Moderate for detail of cloud and rain on Sunday, and also for the extent of showers Monday and Tuesday. High for freezing level remaining above summit level through this period. Moderate for a change to drier and colder weather on Wednesday.

Headline for Saturday 09 Dec 2023: Rain for much of the day. Some afternoon drier intervals possible. Breezy.

Mountain weather hazards on Saturday 09 Dec 2023

Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds No Likelihood
Gales Medium Likelihood	Severe chill effect Low Likelihood	Poor visibility Medium Likelihood
Thunderstorms No Likelihood	Heavy persistent rain High Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Heavy Rain	Heavy Rain	Light rain	Dull	Heavy Rain	Heavy Rain
Precipitation probability					
70%	90%	50%	30%	70%	50%

Forecast for Saturday 09 Dec 2023

Weather: Soon turning wet, with widespread rain and low cloud spreading east. Rain, heavy at times through the morning, but likely lighter and less frequent for a time during the afternoon. Perhaps the odd brighter interval possible, mainly across eastern hills. Further heavy rain spreading east during the evening.

Chance of cloud-free hill tops above 600m: 20%, rising to 40% in the east during the afternoon.

Low cloud and visibility: Widespread cloud obscuring hills above 500m for much of the day, with best chance of clearer tops in the east during the afternoon. Some patches as low as 300m during the morning and evening. Beneath the cloud rain will also limit views to only moderately distant peaks for much of the day.

Forecast for Saturday 09 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	24/34 S	30/38 SE	25/34 SW	32/43 W	40/55 W	39/53 W	38/51 W
300	20/31 SE	26/36 SE	20/30 SW	23/34 W	28/42 W	32/48 W	28/42 W
Valley	12/29 SE	15/33 SE	13/29 SW	16/34 W	21/44 W	22/45 W	20/41 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/-0	5/-1	7/2	5/-2	4/-4	4/-4	4/-4
300	6/2	7/2	9/5	8/3	6/1	6/0	6/0
Valley	7/3	8/4	9/6	8/4	7/2	7/2	7/2
Freezing Level*	1600m	2100m	2000m	1300m	1200m	1200m	1200m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Wet with any views from the tops obscured with cloud, and occasional strong winds, gusting 50-55mph on the highest tops. Excellent navigation skills in limited visibility essential, along with warm and waterproof layers.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sat 09 Dec 2023	7.2mm	19.8mm	20.4mm

Forecast for Sunday 10 Dec 2023

Weather: Winds gradually easing early Sunday with any rain also fading away after midnight. A mostly dry start follows before cloud soon thickens from the southwest. A band of rain of rain crosses eastward late morning, clearing to brighter spells and isolated showers through the afternoon. Showers becoming heavier and more widespread after dark.

Maximum wind: Southwest 25-30mph gusts 35-45mph.

Chance of cloud-free hill tops above 600m: 70% becoming 20% by late morning. Rising again to 70% mid-afternoon onward.

Low cloud and visibility: Patchy cloud obscuring some hills above 500m at first, becoming widespread through the morning, with some patches down to 400m. This breaking and lifting a little to be broken at 600m from mid-afternoon. Away from cloud, some good views of distant hills are possible, but occasionally reduced to poor with any rain.

Temperature: **Valleys:** Plus 6 Celsius increasing 12 Celsius
At 600m: Plus 4 Celsius rising to Plus 6 Celsius
Freezing level: Above summits